

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Liu *et al.*

Patent No. 7,309,757

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Application No. 10/601,262

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For: POLYMERS FOR THE DELIVERY OF
BIOACTIVE AGENTS AND METHODS
OF THEIR PREPARATION

Examiner: Ana Lucrecia Woodward

Art Unit: 1711

Attorney Reference No. 6565-66243-01

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REQUEST FOR CERTIFICATE OF CORRECTION

The following printing errors were noted in comparing the printed patent with the papers in the attorneys' files:

In the Claims:

Claim 2, column 22, line 3, the following text should be inserted following "or more":

--heteroatoms selected from the group consisting of--

In the Specification:

Column 4, line 24 to Column 5, line 13 should be replaced with the following text (as is apparent from the application as originally filed):

--wherein:

each of R¹ and R³ is independently hydrogen, hydroxyl, halide, thiohydroxyl or hydrocarbyl;

R² is unsubstituted or substituted C₁₋₃₀ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;
unsubstituted or substituted C₂₋₃₀ alkenylene optionally containing one or more

heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^5 is:

(i) unsubstituted or substituted C_{1-30} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or

(ii) $-R^6-M-R^7$, where

R^6 is bonded to $-N(R^4)-$ and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C_{2-6} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

M is CH or N; and

R^7 is unsubstituted or substituted C_{1-28} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-28} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-28} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^4 is

(i) hydrocarbyl; or

(ii) when R^5 is $-R^6-M-R^7-$, R^4 is also bonded to M and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C_{2-6} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; and R^4 , M, R^6 and the nitrogen atom to which R^4 and R^6 are bonded form a saturated or unsaturated four- to twelve-membered heterocyclic ring,

with the proviso that R^1 , R^2 , R^3 , R^4 and R^5 cannot have a primary amino group, a secondary amino group, or a $C=C$ double bond conjugated with a carbonyl group.

In a particular embodiment of the present invention, the invention relates to a poly(amino ester) compound comprising 1 to 2000 linear units independently selected from the group consisting of a linear unit of formula I and a linear unit of formula II and optionally comprising one or more linear--

Column 6, line 66, “ R^2 , R^2 and R^3 ” should be changed to $-R^1$, R^2 and R^3 --

Column 7, line 35, “ R^1 , R^2 , R^3 R^4 ” should be changed to $-R^1$, R^2 , R^3 , R^4 --

All of the above errors are attributable to the Patent Office, and a Certificate of Correction is enclosed to make formal notice of the errors in the referenced patent.

Respectfully submitted,

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,309,757

DATED : December 18, 2007

INVENTOR(S) : Liu et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

Claim 2, column 22, line 3, the following text should be inserted following "or more":
--heteroatoms selected from the group consisting of--

In the Specification:

Column 4, line 24 to Column 5, line 13 should be replaced with the following text (as is apparent from the application as originally filed):

--wherein:

each of R^1 and R^2 is independently hydrogen, hydroxyl, halide, thiohydroxyl or hydrocarbyl;

R^2 is unsubstituted or substituted C_{1-30} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^3 is:

(i) unsubstituted or substituted C_{1-30} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or

(ii) $-R^6-M-R^7$, where

R^6 is bonded to $-N(R^3)-$ and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C_{2-6} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

M is CH or N; and

R^7 is unsubstituted or substituted C_{1-28} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-28} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-28} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^4 is

(i) hydrocarbyl; or

(ii) when R^7 is $-R^6-M-R^7-$, R^4 is also bonded to M and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected

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from the group consisting of N, O and S, or unsubstituted or substituted C₂₋₆ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; and R⁴, M, R⁶ and the nitrogen atom to which R¹ and R⁵ are bonded form a saturated or unsaturated four- to twelve-membered heterocyclic ring.

with the proviso that R¹, R², R³, R⁴ and R⁵ cannot have a primary amino group, a secondary amino group, or a C=C double bond conjugated with a carbonyl group.

In a particular embodiment of the present invention, the invention relates to a poly(amino ester) compound comprising 1 to 2000 linear units independently selected from the group consisting of a linear unit of formula I and a linear unit of formula II and optionally comprising one or more linear--

Column 6, line 66, “R², R² and R³” should be changed to --R¹, R² and R³--

Column 7, line 35, “R¹, R², R³ R⁴” should be changed to --R¹, R², R³, R⁴--